Specifications — CSVEQ 100 D

Video

Gain	Composite video and Y of S-video: -1 dB to +3 dB (x0.9 to x1.4), adjustable C of S-video: 0 dB to +10 dB (x1 to x3), adjustable
Equalization	0 dB to +7 dB (x1 to x2) at 5 MHz, adjustable
Bandwidth (Y of S-video)	185 MHz (-3 dB)
Output cable driving distance	Up to 1000' (300 m) with Extron MHR cable

Video input

Number/signal type	1 S-video, 1 composite video
Connectors	1 female 4-pin mini DIN, 1 female RCA
Nominal level	1 Vp-p for Y of S-video, and for composite video (including sync) 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.4 to 2.0 Vp-p with no offset at unity gain for composite video (including sync) or for Y of S-video
Impedance	75 ohms
Return loss	<-25 dB @ 0 to 5 MHz
DC offset (max. allowable)	4.0 V
Input coupling	AC

Video output

Number/signal type	1 composite video, 1 S-video
Connectors	3 female BNC attached via 4" pigtails
Nominal level	1 Vp-p for Y of S-video, and for composite video (including sync) 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.4 to 2.0 Vp-p (follows input)
Impedance	75 ohms
Return loss	-30 dB @ 5 MHz
DC offset	±5 mV with no input signal Floating: +0.1 to -0.6 V, depending on input signal content

Sync

Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM

Audio

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, +0.5 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N	>90 dB at maximum output (unweighted)
Stereo channel separation	>80 dB @ 1 kHz
Output cable driving distance	Up to 1000' (300 m) with Extron STP cable

Audio input

Number/signal type	1 stereo unbalanced
Connectors	2 female RCA
Impedance	18k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+8 dBV, unbalanced at 1% THD+N

NOTE *0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu*

Audio output

Number/signal type	1 stereo or dual mono (switch-selectable), balanced/unbalanced
Connectors	(1) 3.5 mm direct insertion captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced

Specifications — CSVEQ 100 D, cont'd

Gain error	±0.5 dB channel to channel
Nominal level	-10 dBV (316 mVrms) (unbalanced), -2 dBu (balanced) at 1% THD+N
Maximum level	>+9 dBV (unbalanced), +17 dBV (balanced) at 1% THD+N with a 10k ohm load

General

External power supply	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Furniture or wall mount	Yes, with standard US electrical wall boxes or mud rings
Enclosure	Metal rear enclosure, plastic faceplate
Enclosure dimensions	
Faceplate	2.6" H x 1.3" W x 0.1" D (6.6 cm H* x 3.3 cm W x 0.3 cm D) (Fits the opening in a 1 gang Decora® faceplate. *Height is 3.8" [9.5 cm], including mounting tabs.) (Depth excludes connectors.)
Device	2.7" H x 1.8" W x 0.75" D (6.9 cm H x 4.6 cm W x 1.9 cm D) (Depth excludes connectors; height excludes mounting tabs.)
Product weight	0.2 lbs (0.1 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

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